

From owner-qrp-1@netcom.com Wed Mar 8 22:17:03 1995  
Date: Wed, 8 Mar 1995 17:07:59 -0500 (EST)  
From: Bruce Robertson <brucero@epas.utoronto.ca>  
Subject: 100 miles/w  
Message-Id: <Pine.3.89.9503081700.A9346-0100000@blues.epas.utoronto.ca>

Chuck's summary includes:

14.0 MHz	380	87,800,000	Mi/Watt	OK1DKW
18.0 MHz	3	59,380	Mi/Watt	K4TWJ
21.0 MHz	445	19,250,000	Mi/Watt	WB6UNH
24.0 MHz	4	2,445	Mi/Watt	JL1FXW
28.0 MHz	207	218,333,333	Mi/Watt	K7IRK

Does anyone else see room for competition in the 17 & 12m bands? In particular 12m seems a sitting target for some pair of guys with the antennas and the sunspots. Darn, shoulda' kept it quiet.

Thanks to Chuck for the data entry work...  
72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From owner-qrp-1@netcom.com Wed Mar 8 15:31:14 1995  
Date: Wed, 8 Mar 95 9:47:12 EST  
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
Subject: 2 Meters at Dayton  
Message-Id: <9503080947.aa21226@FSAC3.PICA.ARMY.MIL>

There is so much 2 meter activity, it's difficult to plan on it for reliable como....maybe a repeater on 10 GHz would'nt be too busy

36000 hams in one spot generates LOT's of QRM.....

Dayton.....year 20 for me

WA2UNN

From owner-qrp-1@netcom.com Wed Mar 8 23:16:40 1995  
Message-Id: <9503090112.AA19753@spock.ici.net>  
Date: Wed, 08 Mar 1995 20:10:48 -0600  
From: dxer@ici.net (Bill Hassan)  
Subject: <didn't bother with a subject>

subscribe

From owner-qrp-1@netcom.com Wed Mar 8 14:09:11 1995  
Date: Wed, 8 Mar 1995 08:49:30 -0500 (EST)  
From: Steve Slavsky <sslavsky@CapAccess.org>  
Subject: Anyone Out There?  
Message-Id: <Pine.3.07.9503080830.A17879-81000000@cap1.capaccess.org>

Haven't received anything from the list since Sunday and only a handful of messages over the weekend. Is there another problem like the one in late December? Do I need to resubscribe?

Steve, N4EUK

From owner-qrp-1@netcom.com Wed Mar 8 21:20:21 1995  
Date: Wed, 8 Mar 95 11:33:20 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9503081733.AA16108@chuck.dallas.sgi.com>  
Subject: awards.ps

awards.ps is now on ftp.sgi.com in pub/ directory along with the others.

awards.ps is a list of the awards.  
kwm.ps is the form that i use for miles/watt  
was.ap.ps is the application form for WAS  
was.ps is another form for the records and not needed, but if you add it to the other it will save me a few minutes. no biggie.

dit dit

later for the other posting as time permits

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Mar 8 16:39:12 1995

Message-Id: <n1417457974.16658@msmailgw1.arlut.utexas.edu>

Date: 8 Mar 1995 12:07:34 -0600

From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>

Subject: Beckman 3010 meter/measure Z in

Glen,

I checked some instrument catalogs, and apparently let my old Beckman cat. go. Information overload, you know.

But if this is a DMM, or bench Digi volt meter, (you did not describe); and just a few years old, say 10, it is likely 10 Meg ohms input impedance. At worst it would be 1 megohm, because Beckman always had quality meters before they got into the present handhelds that are 10 meg ohm input.

Now for any meter instrument, or amplifier input, here is an easy way at DC or low AC frequency to measure the input impedance: You must locate a pot of more than or equal to the expected input impedance. This may be difficult in this case, so you could series up some megohm resistors with the pot. The pot, connected as a rheostat, ie, only slider and one end, is placed in series to the input of the device to be measured. To the end of the pot not on the input, you place a say 500 Hz signal from an audio source between that point and the ground side of the device. With the pot at zero ohms, (shorted across all resistors with a clip lead,) you measure the voltage across the output of the generator and input of the device in parallel. Call this V. Now unshort and increase the pot resistance, measuring voltage this time on the input only of the device, with the pot between the measuring point, and the audio source. When you have the voltage drop to one half of V, you stop, take the pot and any added resistors out of the circuit and measure their total resistance, which will equal the input impedance of the device. Why? Because you did a voltage divider using the pot/rheostat and the input impedance of the device as two resistors in series to ground. You first measured a source voltage across only the input impedance of the device, then added resistance until you only had half the voltage thus effectively creating an even division. The even division occurs when the added resistance equals the input impedance. This method works at DC and Audio, but reactive losses in pots at high RF frequencies limits its usefulness. If the pot were mounted in such a way to have little capacitance to ground side of the circuit, and was not influenced by a box around it, you could with a quality carbon pot of the 2 watt type, and low power, extend this measurement technique to low RF frequencies. You must have a source of audio signal or tone of steady level for this test, so a 600 ohm output or lower generator must be used. You could in a pinch, without a generator, tune a wide coverage receiver to the tone from WWV, and use the low impedance speaker output of the receiver as your low impedance source.

Anyway, hope this helps you and anyone facing this same type problem.

73, Stuart K5KVH

From owner-qrp-1@netcom.com Wed Mar 8 11:18:38 1995

Date: Wed, 8 Mar 1995 07:15:33 -0800  
From: n1list@netcom.com (Michael L. Ardai)  
Message-Id: <199503081515.HAA27701@netcom18.netcom.com>  
Subject: Broken record posting - how to unsubscribe

Just because some readers can't follow directions, that doesn't mean that others should copy them. Please save this notice so you won't make the same mistake.

To unsubscribe from qrp-l or any other of my mailing lists, send a message to listserv@netcom.com with the body  
unsubscribe qrp-l  
(or subscribe qrp-l to subscribe, change qrp-l to whichever list you want)

Sending it to qrp-l@netcom.com sends it to *everybody* on the list, *except* the automatic list manager that can handle the request.

Thanks.  
/mike  
n1list@netcom.com  
Maintainer, BARC lists

PS. This notice is sent to all on qrp-l. It is not a personal attack.

From owner-qrp-l@netcom.com Wed Mar 8 17:48:56 1995  
From: lhalliday@creo.bc.ca  
Date: Wed, 08 Mar 95 13:22:24 PST  
Message-Id: <9502087946.AA794697744@mail.creo.bc.ca>  
Subject: Charlotte?

I'm going to be in Charlotte, NC the week after next - anything exciting and radio related an out of town gal might want to do while she's there?

73 from Burnaby,  
laura VE7LDH

From owner-qrp-l@netcom.com Wed Mar 8 19:53:51 1995  
From: jpo@acd4.acd.com ( Jim Osburn )  
Message-Id: <9503082004.AA28478@IEDV5.acd.com>  
Subject: CW Filter from RS Cross Over  
Date: Wed, 8 Mar 95 15:04:09 EST

I have been thinking about the idea of making a CW filter from a Radio Shack three way cross over. I don't think a good CW filter can be made from it but a CW filter can be made.

At first I thought of putting the big inductor in series with the big capacitor in the cross over. If the output impedance of my rig were always 8 ohms, that would work. The passband peaks at 800 Hz with 20 db / decade roll-off above and below. But, I also have a rig that has a 100 Ohm resistor in the headphone output. In that case the passband is so wide there's not much filtering going on.

So, I would put the big capacitor and the big inductor in parallel. Now I have my 20 db / decade roll-off above and below 800 Hz on all my rigs. I might put an extra 8 ohm resistor in series with the rig's output impedance since the tank circuit looks like a low impedance away from the peak which might result in too much power from the rig if there's a loud signal being filtered.

I don't know what to do with the other parts in the cross over.

I thought about using a matching transformer from Radio Shack to increase the Q of my tank circuit. But I think it would start ringing and that would be bad.

I don't think 20 db / decade is real great, but it is something. I do think the Radio Shack three way cross over costs too much. I would keep my eye open for some 88 mH toroids at the next hamfest. And, isn't there a good passive CW filter described in the Handbook?

73,

Jim, WD9EYB

From owner-qrp-1@netcom.com Wed Mar 8 15:54:19 1995  
Message-Id: <9503082000.AA12930@ig1.att.att.com>  
From: mvjfm@mvubr.att.com (James M Fitton +1 508 960 2577)  
Date: 8 Mar 95 14:56:00 -0500  
Subject: Dayton Sunday Forum

1995 Dayton QRP-Club (Sunday) Forum

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9:30 - 11:00 a.m., in Room 7.

Speakers will be:

1. Doug Hendricks, KI6DS

President of the Northern California QRP Club:

Doug Will explain how to hold "Successful Local QRP Gatherings"

and how to attract local members and have fun meetings that people keep coming back to.

2. Jim Fitton, W1FMR

Coordinator for the QRP Club of New England:

Jim will speak on QRP club leadership and introduce QRP club leaders from around the country.

Local QRP Club leaders and representatives:

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Please be prepared to be formally introduced, explain the mission statement for your local club, and comment on upcoming projects and events.

(Dave, NN1G will speak on Saturday with Paula Franke, WB9TBU and others. Complete program - TBA )

Jim, W1FMR

From owner-qrp-l@netcom.com Wed Mar 8 21:28:54 1995  
Message-Id: <v01510111ab83a7dde07e@[149.82.22.63]>  
Date: Wed, 8 Mar 1995 13:55:17 -0800  
From: xenolith@halcyon.com (Kevin Purcell)  
Subject: Re: does qrp+ have dual VFO to work split ?

>thanks to those who replied to my post about the Argonaut 515  
>price.

>

>basically the replies point out that QRP+ has more bang for  
>the buck.

>

>Some replies pointed out that a TenTec scout is not a bad  
>option also (if we are talking about \$500-\$600 in monies)

>

>Now I think the TenTec scout has dual VFO that is useful  
>for working DX pileups that are split frequency (please  
>correct me if I am wrong). Now my question is, does the  
>QRP+ have dual VFO to work split frequency ? does the  
>QRP+ have a RIT capability ?

>

>BTW, is it still possible to get into the QRP-L group purchase  
>of the QRP+ rig ? If so, who should I contact ?  
>  
>thanks again to all!!  
>73 de jerry  
>n3rkd

Yeap it'll work split and it has a better UI than the normal VFO a/b, IMHO.

To work split:

1. Tun around and find a pile up!
2. Switch the toggle switch to split. You are now listening on the DX frequency (and if you TX now you will call over the top of him!).
3. Press and hold the REV button and turn the tuning knob. This moves your RX frequency to look for where the DX is listening to others in the pile up. Let go of the REV button you hear the DX responding again, press the REV button and you go back to when the DX is listening.
4. Once you've found where you want to call let go over the REV button and just TX. You TX where the DX was listening and RX on the DX's frequency.

I think the advantage of the UI here is that its more difficult to get the "wrong VFO" because you don't conciously switch between the two.

The rig deals with RIT in a similar way. You set the mode to RIT. Your TX position is fixed but turing the tuning knob changes your RX only. No seperate RIT knob to fiddle with, centre or forget to turn off!

Kevin Purcell, N7WIM // work: kevinpu@atm.com // home: xenolith@halcyon.com  
Join Seattle's dBug Mac Developers SIG | "The best way to get information  
and meet other Mac programmers! | UseNet isn't to ask a question  
but to post the wrong information"

From owner-qrp-l@netcom.com Thu Mar 9 00:54:30 1995  
Message-Id: <199503090150.WAA13190@public.compusult.nf.ca>  
Date: Thu, 09 Mar 1995 01:43:43 +0000  
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)  
Subject: DSP Front End

Larry and the QRP-L gang,

I find it just amazing all the celebrities that are here on the qrp-l list.  
Why I just finish reading the March 95 QST article on "Try building your own

equipment" by qrp-ler Gary Diana N2JGU (nice article) and I start thumbing through Hints and Kinks and who shows up another qrp-ler Larry East W1HUE/7 talking about an audio limiter for use with DSP Filters. What I really find interesting is I had just traded some Email a few days earlier with Gary about his building Feb 95 QST article on an AGC Audio Preamp for all Seasons (p 58).

Larry - what are your thoughts on using the audio preamp to drive a DSP filter front end (in my case a Timewave DSP 9+). I'd like to drive it from a fixed level audio output (back-end of my Icom rig) and use the preamp to provide the correct level for the DSP front-end. This is a different twist on your application of the audio limiter. My ultimate goal is to use the DSP filter for qrp cw work and eventually dsp filtered qrp digital work (using a KAm Plus). Any thoughts.

By the way I'm curious is there are any digital addicts out there who operate RTTY/Amtor/Pactor qrp (you know the stuff that's a little faster than Chuck Adams can copy by ear...) I don't have my QRP+ in yet but that will be one of my projects qrp digital.

Anyway just wanted to thank Gary and Larry for their input in this last issue of QST - boy is this qrp-l great or what...

72 Bob V01DRB/WA6ERB

-----  
Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada  
QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: rgobrick@public.compuserve.nf.ca  
bgobrick@terra.nlnet.nf.ca

Compuserve: 70466.1405@compuserve.com  
-----

From owner-qrp-l@netcom.com Wed Mar 8 16:55:30 1995  
From: sehneg@austin.ibm.com (Sehne)  
Message-Id: <9503081735.AA15330@n2kty.austin.ibm.com>  
Subject: DX from Hawaii/which QRP  
Date: Wed, 08 Mar 95 11:35:39 -0600

I'll be going to Hawaii shortly & XYL has allowed me to take along (1)ONE QRP rig. My choice is either 30-40 (30m,1W) or MFJ 9020(20m,5W)

Which would yield more fun?--Everything is at least 1000 miles away.  
Can you QRP gurus help me make a decision? Which band is better for



Oceania propagation?. I'll have a tuned dipole, no tuner & the 30-40 requires outboard keyer, but smaller battery pack. Thanks! N2KTY/QRP (Gary)

From owner-qrp-l@netcom.com Wed Mar 8 21:02:08 1995  
From: sehne@austin.ibm.com (Sehne)  
Message-Id: <9503082343.AA18282@n2kty.austin.ibm.com>  
Subject: Re: DX from Hawaii/which QRP  
Date: Wed, 08 Mar 95 17:43:40 -0600

Thanks to all who responded & helped me decide which rig to take. Looks like it'll be 20m & a 7AH gellcell

Is there any concern about carrying a sealed gell cell in my checked suitcase? (pressure difference between sea level & cabin altitude (7,000ft?))  
I can see it now--- on the XRAY machine--coil of wire, battery, strange box... slingshot,string...just another ham....

Will be trying hard to work all you guys! Late afternoon, just before 20m dies on mainland, I guess. Next week--listen fer N2KTY/KH6/QRP/P  
I and my antenna will be "Hangin' loose" :) nevermind the Foxhunt, how 'bout a HHH--Haole Ham Hunt? (did I spell it right, Zack?) Thanks, (Gary)N2KTY

From owner-qrp-l@netcom.com Wed Mar 8 22:13:14 1995  
Message-Id: <n1417437178.66043@msmailgw1.arlut.utexas.edu>  
Date: 8 Mar 1995 17:53:47 -0600  
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>  
Subject: RE: DX from Hawaii/which QRP

Gary, As an old 20M 9M2, I would vote for the MFJ 20M rig. Especially considering the variable propagation conditions re Sun Spots now. Be alert that in the tropics, you may expect a daily rain, preceded by lightning, but this was not as pronounced in Hawaii when I spent one whole Jan. working off a research ship there. There is a lot of tall mountains on the islands that will block some paths, another reason to say the 5 watt rig. Frankly, I am not sure how many users of 30M are on in Oceania, and certainly less than 20M, because 20M rigs have always been there. You have more band to operate on is another argument for 20M. I hope I am being objective, but that is how I call it. ENJOY! Stuart,K5KVH ex 9M2SM

---

To: qrp-l@netcom.com  
>From: Sehne on Wed, Mar 8, 1995 5:17 PM  
Subject: DX from Hawaii/which QRP  
RFC Header:Received: by msmtpgw1.arlut.utexas.edu with SMTP;8 Mar 1995 17:17:43 -0600  
Received: from mail4.netcom.com (root@mail4.netcom.com [192.100.81.134]) by ns1.arlut.utexas.edu (8.6.10/8.6.9) with ESMTP id RAA28029 for <rohre@arlut.utexas.edu>; Wed, 8 Mar 1995 17:17:18 -0600  
Received: by mail4.netcom.com (8.6.10/Netcom)

id JAA10397; Wed, 8 Mar 1995 09:37:05 -0800  
Received: from netmail1.austin.ibm.com by mail4.netcom.com (8.6.10/Netcom)  
id JAA10200; Wed, 8 Mar 1995 09:35:40 -0800  
Received: from n2kty.austin.ibm.com (n2kty.austin.ibm.com [129.35.50.186]) by  
netmail1.austin.ibm.com (8.6.10/8.6.9) with SMTP id LAA12207 for  
<qrp-l@netcom.com>; Wed, 8 Mar 1995 11:35:42 -0600  
Received: by n2kty.austin.ibm.com (AIX 3.2/UCB 5.64/4.03-client-2.5)  
for qrp-l@netcom.com at austin.ibm.com; id AA15330; Wed, 8 Mar 1995  
11:35:41 -0600  
>From: sehne@austin.ibm.com (Sehne)  
Message-Id: <9503081735.AA15330@n2kty.austin.ibm.com>  
To: qrp-l@netcom.com  
Subject: DX from Hawaii/which QRP  
Date: Wed, 08 Mar 95 11:35:39 -0600  
Sender: owner-qrp-l@netcom.com  
Precedence: list

I'll be going to Hawaii shortly & XYL has allowed me to take along (1)ONE  
QRP rig. My choice is either 30-40 (30m,1W) or MFJ 9020(20m,5W)

Which would yield more fun?--Everything is at least 1000 miles away.  
Can you QRP gurus help me make a decision? Which band is better for  
Oceania propagation?. I'll have a tuned dipole, no tuner & the 30-40  
requires outboard keyer, but smaller battery pack. Thanks! N2KTY/QRP (Gary)

From owner-qrp-l@netcom.com Wed Mar 8 06:08:17 1995  
Date: Tue, 7 Mar 95 23:08:48 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9503080508.AA15313@chuck.dallas.sgi.com>  
Subject: Fox Rigs

I have gotten three messages from three of the foxes  
that they have received their rigs from Dave Benson,  
NN1G. I'm awaiting the fourth to give me his band  
of choice.

There's next year starting in Oct as soon as the  
QRN quiets down on 40M. I don't know about the rest  
of the world, but last night was a good start in  
Dallas as thunderboomers rolled through. Think I  
lost my 40a, but time will tell as I can get to it.  
Cross your fingers. Darn long wires. Tonight is  
28 degrees expected low.

Stand back for long post. Sorry I haven't been around.  
And you thought I was in hiding. :-)

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed Mar 8 15:09:53 1995  
From: "RICHARD HIEBER" <SZ0026@daphne.rrze.uni-erlangen.de>  
Date: Wed, 8 Mar 1995 16:26:27 MET  
Subject: FOX: Foxhunt over - why?  
Message-Id: <1856A7F758E@daphne.rrze.uni-erlangen.de>

Hi gang,

this is just an innocent inquiry and not a flame bait. I read many postings where people say how much they enjoyed the fox hunt and that they are sorry that it's over now. Maybe in the fall again.

Being in Europe I couldn't participate anyway, so I didn't follow the activities very closely. Thought at one point about having a similar thing in Europe. But the number of subscribers to the list from this side of the pond is just too low. The packet radio network might be an alternative feedback channel. On the other hand, I don't feel I have the free time for coordinating and encouraging something of this potential size.

But I digress ... The question is, why is it over now? My understanding is that Chuck initiated and sponsored the whole idea. What was the reason of letting it end in February? Does it have something to do with semester timetables, or what? Is it simply that it has to end at some point otherwise there wouldn't be a winner, just a front runner? :-)

Anyway, nice to read that so many people enjoyed the activity. I don't see any problem in continuing it 'privately', so to speak. Just carry it on like before ... announce the time span and band spread of your CQ INET (or whatever) calls a few days in advance and the subscribers here can get excited again about having heard or having missed the fox. It should be self-coordinating inasmuch as not to have overlapping activities. But that's just personal opinion ...

But for the benefit of the ones that have absolutely no interest in the foxhunt (e.g. somebody who has subscribed only for the technical content of QRP-L), how about marking the FOX related messages in the title line? Shouldn't be too difficult to prepend a "FOX:" to the original title.

Please excuse, if my signature comes twice ... I am dabbling with my software. Even installed mail filtering to better cope with the high traffic.

72/73

Richard Hieber, DL8MFQ/AA8CP  
sz0026@daphne.rrze.uni-erlangen.de

From owner-qrp-1@netcom.com Wed Mar 8 11:47:41 1995  
From: Robert6478@aol.com  
Date: Wed, 8 Mar 1995 10:45:55 -0500  
Message-Id: <950308104553\_43059252@aol.com>  
Subject: getting started... Again.

Hey, Qrp folks!

It has been about fifteen years since I was a very active ham. I had a bunch of old heath equipment (HW-101, etc.), but the most fun I ever had was with a Heath HW-7 that I found at a hamfest for \$30.

Now I'm interested in resuming interest in the hobby. QRP was the most fun that I ever had, so I think I would like to spend time on it. I hope that I will eventually contact some of you one the bands.

One of my frustrations with the HW-7 was the need for high impedance headphones, a receiver without a lot of selectivity, and having an audio tone on both sides of the zero-beat while tuning. I still have my HW-7, and plan on putting it back on the air. However, I am also interested in a fresh start. I've noted a few HW-8's and HW-9's on the boards for sale, and initially thought that might be the ticket. As a college student, I never had enough cash for one, but I always thought it would be neat to have a Ten-Tec Argonaut 509. Now it seems a lot of the fun is with small kits.

I know that my frame of reference is a little behind the times. I am wondering what recommendations you folks would have for rigs at this time. I plan on setting up a multi-band vertical. (and yes, my operating days were pre-WARC).

Thank you,

Rob  
KA0GZO

From owner-qrp-1@netcom.com Wed Mar 8 21:37:51 1995  
Date: Wed, 08 Mar 95 16:00:38 ast  
From: "Jim Larsen" <jlarsen@alascom.com>  
Message-Id: <9502087947.AA794708000@mailrouter.alascom.com>  
Subject: Ghostview and Ghostscript

Greetings all,

I am very new to Internet and just crashed and burned on my first two attempts to obtain these programs.

If someone is successful, may I please send you some disks and return mailer/box and postage to obtain the programs?

Thanks

73,

Jim

AL7FS

Anchorage, Alaska

where we had over 130-140 inches of snow this year and it hasn't started melting yet.

From owner-qrp-1@netcom.com Wed Mar 8 15:44:15 1995

Date: Wed, 8 Mar 1995 07:54:05 -0700

Message-Id: <199503081454.AA13301@teal.csn.org>

From: bcutter@teal.csn.net (Bob Cutter)

Subject: Happined again

Well, it happined again. I have lost count but this must be 10 or 12 times. No matter how many that first QSO with a new rig is the reason we all so enjoy QRP!

Thanks NorCal and AC6JR for giving me that thrill again with the 40A.

72, Bob KI0G

From owner-qrp-1@netcom.com Wed Mar 8 23:53:11 1995

From: JimN00CT@aol.com

Date: Wed, 8 Mar 1995 21:23:04 -0500

Message-Id: <950308212303\_43707826@aol.com>

Subject: Help! My LO is trapped!

Here's a poser [no, NOT a hoser...]--

If'n One built an R2 with level 13 mixers (requiring +13 dBm [20 mW] to each mixer from the LO for a total of 40 mW), who thinks that if One did his/her best at containing the signal (RF tight boxes around everything, RG-174 for all signal routing, BNC [my favorite!] connectors, etc. etc), that the LO would not be a problem?

Me, I'm not so sure. Would be nice to have a receiver that has an impenetrabl

e front end (for the kilowatt down the street, or FD). If it's a do-able, better to find out now before I pay/trade for some.

This obviously isn't intended as a portable/battery/solar cell type radio. More like a Deep Cycle application, I'd say.

73, Jim N00CT

From owner-qrp-l@netcom.com Wed Mar 8 20:53:06 1995  
Date: Wed, 8 Mar 95 18:24:41 CST  
From: gcouger@agen.okstate.edu (Gordon Cougar)  
Message-Id: <9503090024.AA14020@jsun.agen.okstate.edu>  
Subject: Re: HW 8

>From owner-qrp-l@netcom.com Wed Mar 8 17:43:26 1995  
Return-Path: <owner-qrp-l@netcom.com>  
Received: from mail3.netcom.com by jsun.agen.okstate.edu (4.1/SMI-4.1)  
id AA13890; Wed, 8 Mar 95 17:42:08 CST  
Received: by mail3.netcom.com (8.6.10/Netcom)  
id HAA25018; Wed, 8 Mar 1995 07:19:56 -0800  
Received: from acatst01 by mail3.netcom.com (8.6.10/Netcom)  
id HAA24997; Wed, 8 Mar 1995 07:19:49 -0800  
Message-Id: <199503081519.HAA24997@mail3.netcom.com>  
Received: from tc0s120.cos.titan.com by acatst01 with SMTP  
(1.38.193.4/16.2) id AA17624; Wed, 8 Mar 1995 08:20:09 -0700  
X-Sender: jaevans@acatst01  
X-Mailer: Windows Eudora Version 1.4.3b4  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Wed, 08 Mar 1995 08:18:43 -0700  
To: qrp-l@netcom.com  
>From: jaevans@cos.titan.com (John A. Evans)  
Subject: HW 8  
Sender: owner-qrp-l@netcom.com  
Precedence: list  
Status: R  
Content-Length: 835

What is a HW8 worth? I am interested in gettin a HW9 or Argosy.

The HW8 has only one modification. I put a diode across the 12 volt line so the fuse will blow under reverse polarity conditions.

The reciver works well for a direct conversion reciver and the tranmitter puts out about 5 watts on 40 & 20, maybe a little more on 80 and a little

less on 15.

I have had very good luck with it on all bands. I work 40 a lot and with a R7 and MFJ tuner (the R7 is tuned for 7.15 - 7.25) I have been very pleased. The only place I have had trouble is on 20 meters from QRM. But that is always a problem on 20.

There are a few scratches on the case and the dial is about 10 kc off.

I am going to the Wichita Falls ham fest this weekend and look for the new rig. If I find one I need to know how to price the HW 8.

Thanks

Gordon AB5DG

B

B

Gordon Couger

Biosystems & Agricultural Engineering

Oklahoma State University

114 Ag Hall, Stillwater, OK 74074

gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings

I do not speak for my employer

From owner-qrp-1@netcom.com Wed Mar 8 06:38:12 1995

Date: Wed, 8 Mar 95 02:12:00 -0600

From: adams@chuck.dallas.sgi.com (chuck adams)

Message-Id: <9503080812.AA15459@chuck.dallas.sgi.com>

Subject: K5FO Rebuttal

Gang,

My personal apology to those outside the circle and newbies to this group. This group is two years old and we do like to keep the S/N ratio up, but I didn't fire the first shot, so allow me this one time (actually two years ago I guess I went after the "Blue Knight") to respond in public.

Now, do me a favor. Read this from front to back. Save it and then read it again 12 hours or more later. Make sure you understand everything. Then after 24 hrs, if you have something to say to me, then and only then send me email. Don't waste bandwidth on qrp-1, it wasn't the intent of this group to get involved in a bunch of administrative/political/social/economic BS. Let's get back to S/N ratio that everyone can live with.

-----flame suit on Scottie-----

March 8, 1995 11 p.m. CST

Well, I went outside awhile ago to see if there was a full moon just to make sure it was just a beat on Chuck Adams week or what. :-)

Friday, March 3, I qualified for a sabbatical, which means within the next 12 months, yours truly has to take two months off and get away from it all. I was planning in 6 months to do a DXpedition to the South Pacific to some rare island and take the Sierra, 4Ahr gel-cell, solar panel, and long wire with tuner. Of course the keyer and paddle. Find some rare call and work DX on 40M late a night after spending all day on the beach. Looks like I may have to go earlier. :-)  
I'm open to suggestions for some lovely island that will allow amateur radio operation with easy to get license.  
I can pass the code test, I promise.

Anyway back to Friday, I bought the office a cake after lunch then took the rest of the day off to go to a movie. Looks like I should have stayed in and read the email. Saturday was spent with North Texas QRP Club planning for the April Fools day QRP Afield event. Saturday nite at an office party and Sunday spent between Home Depot and the back yard. Still no email and then Monday morning WAM!! Shot down in flames. Have class going, so couldn't sit down and fire away anyway.

I was taught to wait 24 hours when you're irritated and then reply, so here goes. See if it helps to calm things down.

I'm sure that everyone outside a few are wondering what all the fuss is about and it's surely getting worse with speculation, enuendo, and historical modification.

About 18 months ago I took over the job of Awards Chair for QRP ARCI. Previous holder of the position was Bob Gaye, K2LGJ, and after this length of time he is still receiving applications. This causes a six week delay in getting awards out, and I'll go into details in a later paragraph, so hold on to your horses.

Now when Bob shipped me three large boxes of paperwork via United Parcel Service, we almost lost everything. This I discussed at Dayton last year. The UPS delivery man, probably not the regular one who leaves me stuff under the shelter of the front porch away from the elements. In this case, the boxes were left next to the



garage door and we had one of the well known Texas Thunderstorms and a torrential downpour which soaked the boxes pretty good. Well, this put the fear into me, so I took it upon myself to personally do something that had not been done in the thirty plus years of data collection. I entered ALL of the data into a computer. I could not scan the data in, as it was handwritten and a few pages typed, but old and not scannable (as I did try it).

I count  $1500 \times 2 + 550 + 150 + 360 + 1041 + 560 + 342 + 121 + 52 + 26 + 56 + 130 = 6,000 +$  lines of data. The first 3000 were tough due to the length of the lines. I have no earthly idea how many hours were spent. A bunch. I carried photocopies of the paperwork all over the world with a Grid laptop entering data and checking it over and over and retyping errors, etc. I think the results will make everyone happy. At least now, the data is forever. More later. See summaries. Wait for graphs. I figure about 120,000 keystrokes at an average of 40WPM (I can do 80, but not this kind of data, and doing this on airplanes, in hotel rooms, etc. --- not the best environments) this amounts to over 400 hours of time spent. I just now figured that out and it is a good thing that I wasn't counting as I went along. :-)  
The data is now permanent and even if I were to die tomorrow, it would get to the proper individuals in the club.

Along with the responsibilities that I assumed came no, and I repeat no, nada, zilch, no instruction manual. One page, see ftp site list at end of article, for the list of awards and the application fees for same.

I didn't even get and still have not gotten a copy of the bylaws of the QRP ARCI. There is no paperwork that I've seen.

I have gone through back issues of the quarterly from 1985 to 1995, checking what I could, getting more information and double checking data bases created and adding anything of interest. See the archives, but did I not request help from this list from anyone with older issues of QQ. I can't find anyone that has all issues. This club needs badly a historian, someone who was there and has written documentation of what has gone on. A club that is 30+ years old shouldn't be lacking in information. My personal thanks to Doug Hendricks, KI6DS, who offered the bound copies of QQ at a reasonable price, like \$80 for the set. He can let us know if he is still doing it. Send him any issues you have before 1985, even though he doesn't want them, he should have them. Bring any issues (actually bring photocopies) to Dayton. Let's reconstruct the set. I want to see if the postings also show missing data. See summary.

OK, let's talk about how I go through the applications. Every application that gets to my door is immediately dated on the envelope and on the paperwork inside too. There is reason for this. This is the official date for

the award. Since Bob Gaye is also receiving applications, he periodically saves them up and sends them to me, also dated. I then join the two sets together and sequence the award numbers accordingly. This is the reason for the six week or longer delay. I don't see any change anytime soon in this. And with the lynch mob out there, if we get a third person involved, the time will not change, unless a new policy is implemented. I can change this, but I don't think it's fair yet. Patience is the key here. Something people need to learn or will learn as they get older. Anyway, there is in effect two awards people until we get everyone trained.

What we are dealing with here is the fact that there are about 9,000 QRP ARCI numbers out there and only 1,000+ are active at any one time. People still don't know who the current set of QRP ARCI officers are, they are using old issues to sort things out. Another reason people should keep their membership just in case.

I get a heck of a lot of mail not only about the awards, but about membership and questions why they haven't gotten the quarterly after two weeks of sending in their money, and on and on and on..... I get letters with applications asking questions and even page after page of life history as an amateur and what fun that QRP has brought back after years of inactivity. It brings a tear to my eye as I seem to be like Dear Abbey in some cases. I sit down and write back and give help where possible.

I also have to wade through some handwriting and disorganized information to get to the meat to get the award finalized. I take and make up forms for each award, also see ftp site list and information, and fill out award numbers and cross-reference to modes, bands, and endorsements. This adds to the overhead, but it is very necessary to prevent any errors and it doesn't guarantee that there won't ever be, but again keep the fingers crossed. It's working so far.

OK, now the forms. On ftp.sig.com, in ~ftp/pub, I have placed the following PostScript files:

was.ps -- the Worked All States form that was posted early last year, I think and many new applications are using.

kwm.ps -- 1,000 Miles/Watt form that I use. NOTE: You need to put in the QTHs and if you don't have long/lat, I can do that. Remember I have the data for all 50 states for 125,000+ cities/towns/etc. This data base takes up almost 10MB of disk space. If you have long/lat, please write as 105.50 for 105 degrees 30 minutes followed by direction or whatever for each component. This speeds up things. For international I use the Oxford Concise Atlas of the World for data. I figure in a few years I could have the world entered in the computer. :-)

The database of states with cities and long/lat data will appear on the QRZ CDRom. Do not ask me for it direct. I'm not in the database business for the rest of the world. :-)

awards.ps -- one page listing awards, etc.

Now would someone kindly take these and put them somewhere permanent. Everyone take them and print them out on a PostScript printer and then photocopy them for your local club members. They'll help a lot. If I transfer the wrong files or we again have problems, I will correct it this week. I'm teaching this week, so it's 6:30am to work and 6:30pm or later back to the ranch.

For DXCC, WAC awards, just make up a form showing country and station and date in order as you would for ARRL award.

OK, let's talk about the GCR (General Certificate Rule). I haven't found this puppy in print anywhere. It means that you take your own data form and QSL info and have two radio amateurs sign that they have seen them, verified them, and then send me the form. Do not send me the cards, please. More on this later. For the 1,000M/W award, just photocopy the card. I don't need it. It's too valuable to you and I have to send it back registered mail and it costs me too much. A bunch of people worry about you call on the card not showing /QRP. Don't worry about it. I too have the same problem on and off the air.

I want to personally thank Bill, N8ET, for his vote of confidence. He did miss one thing though. He said that the volunteers are not independantly wealthy. Well, I have been personally carrying the finances for this program since I got it. It does bring in some money, but checks to QRP ARCI go to the treasurer and not to me. Cash goes to pay for the printing, postage, envelopes, and postal fees associated with program. The funds do not finance my QSL cards or anything else, I assure you. I have my ass covered on this point. I will bring finance records to Dayton. It's part of the problem, because I have not received any funds from QRP ARCI. What I do is take money out of my own pocket or fees to pay for postage, registration, etc. I work from early morning to late in the day, so I can't get to the post office during regular business hours. I wait until Saturday morning, drive 4 miles to a US Postal substation and mail out all the awards at once and get a receipt. I use 9x12 brown sturdy envelope, enclose award between a manilla folder to prevent mutilation and damage in transit. It costs \$0.55 postage at todays rates. Was \$0.52 last year. For international, and there is a lot of this, the rate is really up there. I have receipts for every award shipped this way, thus I have the dates recorded by the US govt.

The missing award that someone really resigned over was shipped Dec 17th, since this was the Saturday that I went to the post office and the week of getting mail from Bob. This was also during the Christmas rush, so I suspect Santa Claus may have gotten it, but I could have screwed up too. I doubt it, but never mind a new one is on the way in this Saturday's mailing. Stand by all who have complained. Help is on the way. See next posting on the award numbers and

dates. I'll put your mailer in overload on this one, but I don't want to hear any protests. Please. I'll make up for it by not posting for a month. Well, maybe. :-)) I have the LaTeX files with dates of Dec 15th or so, so I know that I printed them. I use this program to typeset the awards. It works great and I have a template ready for each award and it only takes less 5 minutes from start to finish for each one.

Someone else complained to me about getting funding for phone calls that they make re ARCI business. We've been over this with other people. The finances have never been made public and probably never will be. I know that the \$20K took some time to get transferred after we lost W5HKA. Enuff said. So, when the club gets around to financing the program I have got some funds coming. There is also the matter of my paying for a booth at HamCom, attending the planning meetings, then someone gave responsibility to someone else for the setup. I was in California at the time. That was recorded in the QQ and I was told that didn't pan out.

There are some applications that were missing funds for the award, but I sent award anyway. Last one was from AA4XX, who set the new record on 40M. :-)) Don't worry Paul, I'll foot the bill. BTW: that was 1.9Million per. See summary. With the posting of this summary, there will be a rash of people going out to set new records. It's just the way it is. Some mechanism will probably be required to keep the riff-raff level down. K7HYA mentioned this before. These are not world records. These are only in the database.

I have all the sunspot data from the 1700s to date and doing a correlation on # of awards per month vs. the spots. This doesn't mean anything because a lot of QSOs weren't recorded. I have not and will not as long as I'm awards chair file for any awards. I could with my 0.95W records get about 300 QSOs on 40M alone that meet the 1,000 Mi/W and I could afford the \$600 to do it too. :-)) Just not issue the certificates, 'cuz what would I do with all that paperwork. :-)) Maybe I should start a free service via internet with just a record of the qso. No number, no paper, just an ftp site somewhere whereby we keep a running total of how the bands are doing.

There seems to be a lot of complaining going on. Didn't we use to vote on officers? Seems like we have a committee of one doing all the appointing as far as I see from postings going on.

OK. This is getting too long, but I will continue tomorrow. Need to to get the awards listed that are up to date for people to check. Summary data was  
\*\*\*\*\* which is all  
embedded in the data and would never have come to light if I hadn't taken my time from a busy schedule and entered it. It's 99% correct and subject to minor correction from time to time. I'll post updates periodically.

Now don't anyone bitch. The numbers do not total out correctly at this time because of the way early numbering schemes were and some very early data does not have the date of the qso and the band. I have the copies to prove it. That is why I need pre-1985 issues of the QQ. The plea is going out again for help.

A late posting Friday, 17:06 EST, by WA8MCQ looked to be a personal swipe at me by making some remark, and I quote:

"The meeting with Jim, N00CT in Rockville, MD went a lot better than the meeting with K5FO in Silver Spring last year, mainly because we actually met up with N00CT. (K5FO said he was going to send info on the meeting place at the last minute, and then it was eaten by his system so we all missed him.)" Was that the intent Mike?

OK, thinks that will help:

- o include #10 envelope for correspondance and forms. i get those small envelopes a lot of the time and I just send them back in a business size (#10) envelope with the information requested.
- o wait 6 to 8 weeks. it's not an overnite thing. I'm not Fed-X.
- o this is not the Guinness Record book
- o include all the data. i don't have a DX callbook, so you must at least give me the city of each station
- o double check everything before you mail it to me

-----

#### 1,000 Mile/Watt Summaries by Band

-----

BAND	TOTAL	GREATEST VALUE-CALL	
-----	-----	-----	-----
1.8 MHz	10	13,300 Mi/Watt	GW4AEC
3.5 MHz	42	851,339 Mi/Watt	AA2U
7.0 MHz	195	1,909,502 Mi/Watt	AA4XX
10.1 MHz	15	20,727 Mi/Watt	NW00
14.0 MHz	380	87,800,000 Mi/Watt	OK1DKW
18.0 MHz	3	59,380 Mi/Watt	K4TWJ
21.0 MHz	445	19,250,000 Mi/Watt	WB6UNH
24.0 MHz	4	2,445 Mi/Watt	JL1FXW
28.0 MHz	207	218,333,333 Mi/Watt	K7IRK
50.0 MHz	56	134,200,000 Mi/Watt	JO1XWH
144 MHz	13	87,800,000 Mi/Watt	OK1DKW
220 MHz	2		
432 MHz	5		
1296 MHz	6		
10 GHz	2		

CW 1043  
SSB 296  
AM 47  
FM 7  
RTTY 4  
other 15 (some unknown)

WAC 526 awards total

DXCC 124 awards total

WAS 352 awards total

QRP-25 1041 awards

QRP-50 559 awards

QRP-100 342 awards

QRP-200 121 awards

QRP-300 52 awards

QRP-400 26 awards

QRP-500 18 awards

QRP-600 11 awards

QRP-700 8 awards

QRP-800 4 awards

QRP-900 2 awards

QRP-1000 2 awards

QRP-1100 1 award

NOTE: N5DUQ gets the first 5-Band WAS SSB QRP ever. More details  
in next posting.

Now look at what you've done. We'll really see the "unsubscribes" now.  
Again, my apologies and there is more to come. Look for some data to  
follow in the morning. It's now 2am.

dit dit from the ranch (part of 2,136 acres),

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed Mar 8 23:11:30 1995  
From: rossi@VFL.Paramax.COM  
Message-Id: <9503082111.AA03925@gvlf9-a>  
Date: Wed, 8 Mar 95 16:11:30 EST  
Subject: Re: L0 radiation

L0 radiation can be a problem with superhets too.

Had an odd problem around here on the 440 band.. Seems there was a constant carrier would show up on 444.0 MHz It was strong at times (while mobile) but then subject to lots of deep fades.

Turns out that what I was hearing was the 4th harmonic of the L0 of other nearby car FM radios tuned to a popular local FM station on 100.3 MHz.

$100.3 \text{ RF} + 10.7 \text{ IF} = 111.0 \text{ L0} \quad \text{---x4---} \rightarrow 444.0$

I can put my HT on 444.0 and tell when every car passing by me has their radio tuned to 100.3

Strange but true.

---

Pete Rossi - WA3NNA  
rossi@vfl.paramax.com  
Unisys Corporation - Government Systems Group  
Valley Forge Engineering Center - Paoli, Pennsylvania

From owner-qrp-l@netcom.com Wed Mar 8 16:18:50 1995  
Date: Wed, 8 Mar 1995 12:06:05 -0800  
From: myers@bigboy73.West.Sun.COM (Dana Myers)  
Message-Id: <199503082006.MAA00507@vr1000.West.Sun.COM>  
Subject: L0 radiation (was Re: R2 Mixer)

> From owner-qrp-l@netcom.com Wed Mar 8 11:49 PST 1995  
> Date: Wed, 8 Mar 1995 10:38:39 +0800  
> From: Raymond.Anderson@Eng (Ray Anderson)  
> To: qrp-l@netcom.com  
> Subject: Re: R2 Mixer

>  
> WA2UNN wrote:  
> >  
> > If you use a high level mixer I assume using the local  
> > oscillator level at the recommended level  
> >  
> > fofo +17 DBM mixers in the R2 you will need a hair over +20 DBm  
> > LO drive accounting for 3db in the power splitter and it's  
> > losses  
> >  
> >  
>  
> Who will have the first QRP WAS with more RF power into their  
> receiver mixer than into their antenna ? :)

Hmmmm, in a DC receiver, the LO energy is almost certainly inside the passband of the front end filter. If you've built a receiver which has no RF amplifier between the antenna and the mixer, the RF-LO port isolation of the mixer might only be -35dB. With an LO injection of +17dBm, I wouldn't be surprised if -18dBm of LO was leaking out the RF port and radiating out the antenna. -18dBm is about 16 uW; that's pretty small, but, hey, this is QRPpppppp, maybe someone could tune your LO.

Now, before you laugh, I have some friends that were DFing an amateur on 2m. The strong suspicion was that this amateur was actually unlicensed and was using a recently stolen radio. Knowing the radio, they knew the LO offset (1st IF) and injection side. So, they tuned to the LO frequency when they were really, really, close, and, sure enough, they found a carrier that disappeared whenever the target was transmitting.

Needless to say, they found him shortly thereafter.

From owner-qrp-l@netcom.com Wed Mar 8 15:28:29 1995  
From: RobCap@aol.com  
Date: Wed, 8 Mar 1995 09:34:08 -0500  
Message-Id: <950308093216\_43001820@aol.com>  
Subject: Microwatt Experiment

This Saturday, March 11, KW1C and I will continue our microwatt project at a new QTH, and I will have a beacon experiment set up in which anyone can participate.

We will be at the QTH of AD4VA, who has a 4-element Mosley at 65 feet on a ridge that is unobstructed in all directions. Our QTH is Chapel Hill in central North Carolina, so set your beam heading accordingly. Also present



in the shack will be Paul, AA4XX of microwatting fame, with his trusty oscilloscope.

At 2030 UTC (3:30 p.m. EST), I will begin transmitting on 14,060 (+/- 1 Khz for QRM) at approximately 90 milliwatts, and will cycle to QRPP in the 100 microwatt range and transmit a four letter word. Transmissions will be in this form:

WA3ULH WA3ULH/144 AS        BOOK BOOK BOOK BOOK BOOK K

Where: 144 is the power level in microwatts

AS: is the prosign for standby

BOOK: is an example 4 character word

I will begin at 2030 UTC with a beam heading of South, and will sweep the beam heading to SW, W, NW, N, NE in successive transmissions.

If you hear the transmission at the QRPP level (i.e., if you can copy the code word, or want me to repeat the code word) then simply call me, and give me a signal report with the word that you copied.

(Our experience is that KW1C is able to copy my transmission of 90 milliwatts at 579 or better, over a 950 mile path! So you'll need excellent armchair copy at 90 mils to hear the microwatt transmission.)

If the report is 339 or better, I will cut power further. If the report is 229 or worse, I will assume that we cannot reduce power further.

A sample QSO follows:

WA3ULH WA3ULH/144 AS        BOOK BOOK BOOK BOOK BOOK K

WA3ULH DE AD4VA AD4VA K

AD4VA DE WA3ULH K

WA3ULH DE AD4VA TU Word is Book BT UR RST 449 449 BT MY QTH is St. Louis, MO HW CPY?

BK R, QSL BOOK. AS for new code word WA3ULH/61 AS DRAW DRAW DRAW DRAW K

WA3ULH DE AD4VA BT NIL NIL CPY, ETC.

Please do not call, unless you can hear me at the attenuated QRPP power level. If you have some copy at the QRPP level, it is O.K. to call and ask me to repeat the word. Be sure to tell me your QTH so that I can fine-tune the beam heading on you.

This is an experiment, so I'm fiddling with the format. After I try it this weekend, I'll try to fine tune the format for other trials, and take any suggestions that folks might have. The experiment will conclude at 4:00 p.m. EST (2100 UTC) when my sked commences with KW1C.

Look forward to hearing from you on Saturday,

72,

Rob, WA3ULH

From owner-qrp-l@netcom.com Wed Mar 8 18:02:24 1995  
Message-Id: <v0151010dab8394263ebf@[149.82.22.63]>  
Date: Wed, 8 Mar 1995 13:54:21 -0800  
From: xenolith@halcyon.com (Kevin Purcell)  
Subject: OFR WM-1 special pricing?

"Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu> said:

>The sale at Oak Hills goes on  
>until the end of the month and the WM-1 is \$69.95 plus shipping  
>(about \$4).

and

PeterWK8S@aol.com said:

>Josh Logan of Colorado QRP Club is organizing a group purchase of the WM-1  
>QRP Wattmeter from Oak Hills Research. He tells me that we can shave over  
>\$20 off the normal \$89 + shipping cost of the meter with a group of 10 or  
>more. So if you're interested contact me via this list. If I get enough  
>response, I tell each to send a money order to made out to "Oak Hills  
>Research" for \$68.50 (which includes UPS shipping in U.S.), for the kits.  
> The kits will be sent direct to each purchaser.

I presume one might as well send the money direct to OHR!

Kevin Purcell, N7WIM // work: kevinpu@atm.com // home: xenolith@halcyon.com  
| "The best way to get information on  
Join Seattle's dBug Mac Developers SIG | UseNet isn't to ask a question  
and meet other Mac programmers! | but to post the wrong information"

From owner-qrp-l@netcom.com Wed Mar 8 14:40:52 1995  
Date: Wed, 8 Mar 95 10:06:55 -0600

From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9503081606.AA15892@chuck.dallas.sgi.com>  
Subject: oops

Ooops. Got to work, moved over kwm.ps was.ap.ps and was.ps to ftp.sgi.com. Missing the one page critter for the list of awards. That's what I get for having too many systems to "play" with. Scrambling to get it over.

Again, sorry for the long posting. One more to go later today. The records may be published, but with the note they are subject to change and if you want a break down on the modes, I'll add that. I'll have the stuff with me at Dayton (if everyone promises not to lynch me when I get there). Damn. Knew I shouldn't have put those pictures on the net. :-)

dit dit i be cool

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed Mar 8 20:41:46 1995  
Message-Id: <199503082344.AA12642@zia.aoc.nrao.edu>  
Date: Wed, 8 Mar 1995 16:44:09 -0700  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: QRP Spec. Event Stn. 7-95

The local (Socorro, NM) ham club received official permission tuesday from White Sands Proving Grounds for us to operate a special event station from "ground zero" at the Trinity Site on the 50th anniversary of the first atomic detonation. They imposed a fairly narrow window on us for operating, namely 0500-noon local time on Sunday, July 16, 1995. Therefore, in addition to the QRO stuff, we will try to keep two QRP stations on the air to makeup for this short window. Also, we will be operating the day before as well, saturday and later that sunday afternoon, from somewhere. We're trying to get permission to work out of one of the old barracks buildings used during the test, now located on private land. Details of the saturday and sunday afternoon/evening operation will be issued later. However, the sunday operation is officialized, and I'm including the official "politically correct" White Sands approved press release. This is the version to appear in QST, etc. (We are verbotten from using the word "celebration.")

By the way, you'll notice whose call they voted on to use at last nights ham meeting. And I wasn't even there!  
--Paul NA5N

----- White Sands Press release follows -----

## Amateur Radio Operators Will Observe the Fiftieth Anniversary of First Atomic Bomb Test

The 50th anniversary of the world's first atomic bomb test will be marked by an amateur radio special event station operating from near Ground Zero -- Trinity Site -- in the Central New Mexico desert.

The Socorro Amateur Radio Association (SARA) will operate NA5N from 1100-1700 UTC on Sunday, 16 July 1995, and will use the General phone and CW portions of the 80, 40, 20, 15 and 10-meter bands, depending on propagation. On the CW bands, a war-veteran straight key from the Pacific Theater of World War II will return to the air for this event.

Just before dawn on 16 July 1945, the Manhattan Project successfully tested the first atomic bomb at Trinity Site, about 36 miles southeast of Socorro, New Mexico. Trinity Site, now a part of the U.S. Army's White Sands Missile Range, normally is opened to the public only twice a year, in April and October. The Army is opening the site for visitors on the morning of 16 July for the 50th anniversary, and has granted permission for SARA to operate the special event station then.

The station will operate only during the six-hour period 1100-1700 UTC. Because of missile range requirements, the transceivers at Trinity Site will be limited to 50 watts output power. In addition, a QRP station will be operating on the QRP frequencies of 7.040, 14.060, 21.060 and 28.060 MHz, again depending on propagation.

For a QSL/Certificate, amateurs contacting the Trinity Site Special Event Station should send QSL and business-sized, self-addressed, stamped envelope to the Socorro Amateur Radio Association, Trinity Site Event, P.O. Box 522, Socorro, NM 87801.

Trinity Site will be open to the public the morning of 16 July. The White Sands Missile Range Stallion Gate will be open to visitors from 5 a.m. to 11 a.m., MDT. Stallion Gate, east of San Antonio, NM, (on US 380) will be the only gate open to the public for this event. On 15 July, the National Radio Astronomy Observatory will offer guided tours of the Very Large Array radio telescope west of Socorro. For information about accommodations and other events in the area, contact the Socorro County Chamber of Commerce, P.O. Box 743, Socorro, NM, or call (505) 835-0424.

-----  
From owner-qrp-1@netcom.com Wed Mar 8 13:40:27 1995  
Date: Wed, 8 Mar 95 12:46:35 EST  
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
Subject: R2 Mixer  
Message-Id: <9503081246.aa23601@FSAC3.PICA.ARMY.MIL>

If you use a high level mixer I assume using the local  
oscillator level at the recommended level

fofr +17 DBM mixers in the R2 you will need a hair over +20 DBm  
LO drive accounting for 3db in the power splitter and it's  
losses

From owner-qrp-1@netcom.com Wed Mar 8 15:01:51 1995  
Date: Wed, 8 Mar 1995 10:38:39 +0800  
From: Raymond.Anderson@Eng.Sun.COM (Ray Anderson)  
Message-Id: <9503081838.AA09610@radium.Eng.Sun.COM>  
Subject: Re: R2 Mixer

WA2UNN wrote:

>  
> If you use a high level mixer I assume using the local  
> oscillator level at the recommended level  
>  
> fofr +17 DBM mixers in the R2 you will need a hair over +20 DBm  
> LO drive accounting for 3db in the power splitter and it's  
> losses  
>  
>

Who will have the first QRP WAS with more RF power into their  
receiver mixer than into their antenna ? :)

72 de WB6TPU Ray  
raymonda@radium.eng.sun.com

From owner-qrp-1@netcom.com Wed Mar 8 20:11:41 1995  
From: JEVERHART@cayman.VF.MMC.COM  
Date: Wed, 8 Mar 1995 16:06:45 -0500 (EST)  
Message-Id: <950308160645.22e1d92d@carib.vf.mmc.com>  
Subject: Re: R2 Mixer

Ray, you wrote:

> Who will have the first QRP WAS with more RF power into their  
> receiver mixer than into their antenna ? :)  
>  
> 72 de WB6TPU Ray  
> raymonda@radium.eng.sun.com

Sounds like a good defensive measure to me for anybody who operates on 7040.  
Someone on the list has mentioned that 7040 seems to be the QRO tuneup  
frequency ;-).

72/73,

Joe E. N2CX

BTW, one of the standing jokes around here years ago was that on the East  
Coast you need 6146's for front ends so the QRO guys didn't overload your  
receiver.

From owner-qrp-1@netcom.com Wed Mar 8 12:30:03 1995  
Date: Wed, 8 Mar 95 8:15:40 EST  
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
Subject: R2 Mixers  
Message-Id: <9503080815.aa06690@FSAC3.PICA.ARMY.MIL>

The R2 will work great with +17 DBM mixers....no problem

WA2UNN Clark Fishman cfishman@pica.army.mil

From owner-qrp-1@netcom.com Wed Mar 8 21:05:48 1995  
Date: Wed, 8 Mar 1995 09:17:19 -0800  
From: myers@bigboy73.West.Sun.COM (Dana Myers)  
Message-Id: <199503081717.JAA00537@vr1000.West.Sun.COM>  
Subject: Re: R2 Mixers

> From owner-qrp-1@netcom.com Wed Mar 8 09:16 PST 1995  
> Date: Wed, 8 Mar 95 8:15:40 EST  
> From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
> To: qrp-1@netcom.com  
> Subject: R2 Mixers  
>  
>

> The R2 will work great with +17 DBM mixers....no problem  
>  
> WA2UNN      Clark Fishman      cfishman@pica.army.mil

Of course, the benefits of the "stronger" mixers are only realized if you run the higher L0 injection level. The mixer will work with the lower L0 level specified for the +7dBm mixers, it just won't work any better than the +7dBm mixers.

From owner-qrp-l@netcom.com Wed Mar 8 14:43:27 1995  
From: "S. Miller" <smiller@motown.ge.com>  
Date: Wed, 8 Mar 1995 09:24:49 -0500  
Message-Id: <199503081424.JAA07196@bear.MOTOWN.GE.COM>  
Subject: r2-t2 info, kanga address

Ok, I am starting to breadboard some receiver circuits and got curious about the r2-t2 combo which I thought had become unavailable. Can anyone fill me in? Jim, N0OCT has indicated to me that I can get the kits from kanga but I can't find their address in my mail file. Also, what is the Cascade? Thanks to all. This list and the boat anchor list keep me going.  
Steve KD2ED

From owner-qrp-l@netcom.com Wed Mar 8 10:09:55 1995  
Date: Wed, 8 Mar 1995 11:14:14 GMT  
From: Goran Hosinsky <goran@royac.iac.es>  
Message-Id: <9503081114.AA09949@royac4.royac.iac.es>  
Subject: Schematics via inet

Gang,

We should devise a simple way to send schematics and drawings to the list. John Seboldt's postscript schematics are beautiful - but not everybody can print out postscript (is there any program around to display postscript on the screen, by the way?). The system should be

- 1) easily readable for everybody, perhaps based on a cheap freeware or shareware program. Best would be PC based.
- 2) The drawing program should not be too expensive. There is the PADSDemo set, freeware on Simtel, which I have found very nice but somewhat limited in size. Mike, WA8MCQ, is plugging for another CAD program which might be usable.

The main problem is to convert the output from the program used to a form that everybody can view. There are some drawing programs Windows

I believe wich might be usable with a homemade library of components.  
Betwen all of us such a library could be built without too much work  
(I use DOS, but could get a copy of windows).

Graphic files tend to be large but for small schematics -wich is what  
people try to draw in ascii - they should be reasonable. Also perhaps  
the orginator can mail that file directly to the people asking for it,  
or it could find space at an ftp site.

Comments?

Saludos       Goran       EA8YU       hosinsky@royac.iac.es

From owner-qrp-l@netcom.com Wed Mar 8 12:57:01 1995  
Date: Wed, 8 Mar 1995 17:03:34 GMT  
From: Goran Hosinsky <goran@royac.iac.es>  
Message-Id: <9503081703.AA09907@royac4.royac.iac.es>  
Subject: re schematics via inet

Thanks Ray for your comments on putting postscript files on the screen  
and on non-postscript printers.

Now we only have to find a way to put a cheap CAD programs output into  
postscript and we are all set for exchanging non ascii drawings.

Saludos  
Goran, EA8YU

From owner-qrp-l@netcom.com Wed Mar 8 15:44:18 1995  
Message-Id: <199503081519.HAA24997@mail3.netcom.com>  
Date: Wed, 08 Mar 1995 08:18:43 -0700  
From: jaevans@cos.titan.com (John A. Evans)  
Subject: Schematics via inet

>Return-Path: <owner-qrp-l@netcom.com>  
>Date: Wed, 8 Mar 1995 11:14:14 GMT  
>From: Goran Hosinsky <goran@royac.iac.es>  
>To: qrp-l@netcom.com  
>Subject: Schematics via inet  
>Sender: owner-qrp-l@netcom.com  
>Precedence: list  
>X-UIDL: 794675409.008  
>  
>  
>Gang,  
>



>We should devise a simple way to send schematics and drawings to the  
>list. John Seboldt's postscript schematics are beauutifuul - but not  
>everyboddy can print out postscript (is there any program around to  
>display postscript on the screen, by the way?).

Ghostscript & Ghostview will display and print out postscript to the screen  
and to a non-postscript device. You should be able to locate the DOS  
version on many frtp sites. Archie can also search for you to locate  
available sites.

I know this is not complete enough for the neophyte to locate the files, but  
someone out there who knows where Ghostscript lives can probably point you  
further.

john

```
-----  
John A. Evans                Chief System Administrator  
(719) 528-1800 ext 164 (voice) Titan Client/Server Technologies  
(719) 528-1888             (fax) 1115 Elkton Dr, Suite 100  
email: jaevans@cos.titan.com Colorado Springs, CO 80907-3535  
-----
```

From owner-qrp-1@netcom.com Wed Mar 8 16:27:32 1995  
Date: Wed, 8 Mar 1995 08:46:19 +0800  
From: Raymond.Anderson@Eng.Sun.COM (Ray Anderson)  
Message-Id: <9503081646.AA09475@radium.Eng.Sun.COM>  
Subject: Re: Schematics via inet

EA8YU writes:

>  
> Gang,  
>  
> We should devise a simple way to send schematics and drawings to the  
> list. John Seboldt's postscript schematics are beauutifuul - but not  
> everyboddy can print out postscript (is there any program around to  
> display postscript on the screen, by the way?). The system should be  
>  
> 1) easily readable for everyboddy, perhaps based on a cheap freeware  
> or shareware program. Best would be PC based.  
people try to draw in ascii - they should be reasonable. Also perhaps  
> the orginator can mail that file directly to the people asking for it,  
> or it could find space at an ftp site.  
>

If you need to display and/or print Postscript files on your system and  
you don't have a workstation or a Postscript printer you need a

program called Ghostscript. It is available on the net and a version exists for the PC. It will display the Postscript files on your monitor and it will also convert them to a format suitable for non-Postscript printers such as Laserjets, Deskjets, dot-matrix etc.

A quick archie search shows it is available at numerous locations on the net including sunsite.unc.edu, src.doc.ic.ac.uk and just about any site that carries the GNU suite of tools. There even appears to be a version to run under Windows and a version for the Mac.

72 de WB6TPU Ray  
raymonda@radium.eng.sun.com

From owner-qrp-1@netcom.com Wed Mar 8 17:48:09 1995  
From: negaard@draagen.graceland.edu  
Date: Wed, 8 Mar 1995 13:28:39 -0600  
Message-Id: <199503081928.NAA00459@draagen.graceland.edu>  
Subject: Re: Schematics via inet

>>>> "Goran" == Goran Hosinsky <goran@royac.iac.es> writes:

Goran> Gang,

Goran> We should devise a simple way to send schematics and drawings  
Goran> to the list.

Hear, hear. It'd save me a lot of skull sweat if I could learn from  
\_your\_ mistakes, rather than making my own... ;-=

Goran> John Seboldt's postscript schematics are beauutifuul - but not  
Goran> everyboddy can print out postscript (is there any program  
Goran> around to display postscript on the screen, by the way?).

I use ghostscript on my X-based station; it allows me to view a  
postscript document (using ghostview) and to print it to a non-  
postscript printer. I believe that ghostscript is available for  
DOS/Windows platforms, and it may be available for Macintosh as well.  
Best of all, it's free! It's a GNU clone of postscript.

Goran> The system should be

Goran> 1) easily readable for everyboddy, perhaps based on a cheap  
Goran> freeware or shareware program. Best would be PC based.

Agreed.

Goran> 2) The drawing program should not be too expensive. There is  
Goran> the PADSDEMO set, freeware on Simtel, wich I have found very

Goran> nice but somewhat limited in size. Mike, WA8MCQ, is plugging  
Goran> for another CAD program wich might be usable.

I'd love to see a CAD program that was freely available and reasonably  
powerful.

Goran> The main problem is to convert the output from the program used  
Goran> to a form that everyboddy can wiew. There are some drawing  
Goran> programs Windows I believe wich might be usable with a homemade  
Goran> library of components. Betwen all of us such a library could  
Goran> be built without too much work (I use DOS, but could get a copy  
Goran> of windows).

I think that this would be a cumbersome solution, at best. Better to  
have a dedicated program, if one can be found.

Goran> Graphic files tend to be large but for small schematics -wich  
Goran> is what people try to draw in ascii - they should be  
Goran> reasonable. Also perhaps the orginator can mail that file  
Goran> directly to the people asking for it, or it could find space at  
Goran> an ftp site.

Postscript files tend to be relatively small, since postscript  
describes the image, rather than painting it pixel-by-pixel. Most  
object-oriented drawing programs store their output in a somewhat  
similar way, and have the same advantage.

Goran> Comments? Saludos Goran EA8YU hosinsky@royac.iac.es

There you have them. I'd \_love\_ it if I could get plans, etc, over  
the net...Save me the cost of a kit, even...(Yes, I really am \_that\_  
poor)

--

o David Negaard	o negaard@graceland.edu
o Help Desk Technician	o <a href="http://www.graceland.edu/~negaard">http://www.graceland.edu/~negaard</a>
o 700 College Avenue	o linux-phile
o Lamoni, IA 50140	o 73 de KB0PXX

From owner-qrp-l@netcom.com Wed Mar 8 19:13:56 1995  
Date: Wed, 8 Mar 1995 15:06:33 -0500 (EST)  
From: Chris Osgood <cosgood@tsquare.com>  
Subject: Re: Schematics via inet  
Message-Id: <Pine.LNX.3.91.950308150255.6316A-100000@tsquare.com>

On Wed, 8 Mar 1995, Goran Hosinsky wrote:

>  
> Gang,

>  
> We should devise a simple way to send schematics and drawings to the  
> list. John Seboldt's postscript schematics are beautiful - but not  
> everybody can print out postscript (is there any program around to  
> display postscript on the screen, by the way?). The system should be  
>  
> 1) easily readable for everybody, perhaps based on a cheap freeware  
> or shareware program. Best would be PC based.  
>  
> Comments?  
> Saludos        Goran        EA8YU        hosinsky@royac.iac.es

GhostScript is available for free. It works by itself or under Windows 3.x. It not only view the pictures on your screen, but print them to just about any type of printer.

There are versions of GhostScript for MS-DOS, Linux, MAC, X-Windows, and probably more.

Now as for a drawing program..... I haven't looked.

73 // Chris    KD4FNB    <cosgood@tsquare.com>

From owner-qrp-l@netcom.com    Wed Mar  8 12:13:47 1995  
Message-Id: <9503081559.AA07470@esds01.es.dupont.com>  
Date: Wed, 8 Mar 95 10:59:34 EST  
From: "Stephen M. Shearer, 695-7719" <shearer@eplram.dnet.dupont.com>  
Subject: Silver Mica vs NPO Ceramic ???

OK, I give up!

Most of the VFO/RF modifications to the NC40(a) call for silver mica and the original uses NPO caps. I have hunted the catalogs and handbooks for information on SM's -- ref there temp specks, I can't find much and I can't find a NPO (or COG) reference for the sm's. So, I just placed a Digi-Key order for NPO ceramic caps and I found some silver mica caps at work -- to cover my bases...

SM's are listed as +/-5% (J) Tolerance, but no tempature char.  
NPO's (also listed as COG) are 0 +/-30ppm/C

Anyone have an idea which is better? (SM's cost more...)

73, Steve    WB3LGC

(maybe this question will give everyone something to think about, other then ARCI....)

From owner-qrp-1@netcom.com Wed Mar 8 15:02:22 1995  
Message-Id: <9503081837.AA12062@garnet.inel.gov>  
Date: Wed, 08 Mar 1995 11:39:07 -0700  
From: LVE1@inel.gov (Larry East)  
Subject: Re: Silver Mica vs NPO Ceramic ???

>  
>SM's are listed as +/-5% (J) Tolerance, but no tempature char.  
>NPO's (also listed as COG) are 0 +/-30ppm/C  
>  
>Anyone have an idea which is better? (SM's cost more...)  
>

Generally speaking, COG type caps have better temperature stability. Some silver micas are as good or better, others are not. The problem seems to be that there are no specs that sm's must meet, but there are specs on COG's. Also, there seem to be different specs for "NPO" type caps, depending on when they were made. But all "COG" caps should be +/-30ppm/C (or so I have been told...).

By the way -- is there any one place where I can get a list of mods for the 40A?

72/73, Larry W1HUE/7

From owner-qrp-1@netcom.com Wed Mar 8 19:49:41 1995  
Message-Id: <199503081829.KAA19130@interval.interval.com>  
Date: Wed, 8 Mar 1995 10:31:47 -0800  
From: burdick@interval.com (Wayne Burdick)  
Subject: Re: Silver Mica vs NPO Ceramic ???

Silver mica caps, polystyrenes, and NPO discs all have low temperature constants and will work fine in the NC40A. The NC40A VFO operates at such a low frequency (2.085MHz @ RF=7.000) that you'd need a pretty baaaad capacitor to cause noticeable drift. You can try to find a cap that has a TC that compensates precisely for the TCs of the rest of the circuit, but it isn't necessary for most casual operating.

Capacitor \*quality\* is occasionally an issue in critical applications. I've heard rumors of caps spec'ed as "COG" (about the same as NPO) that were all over the map.

Wayne, N6KR

>  
>OK, I give up!  
>  
>Most of the VFO/RF modifications to the NC40(a) call for silver  
>mica and the original uses NPO caps. I have hunted the catalogs  
>and handbooks for information on SM's -- ref there temp specks, I  
>can't find much and I can't find a NPO (or C0G) reference for the  
>sm's. So, I just placed a Digi-Key order for NPO ceramic caps and  
>I found some silver mica caps at work -- to cover my bases...  
>  
>SM's are listed as +/-5% (J) Tolerance, but no tempature char.  
>NPO's (also listed as C0G) are 0 +/-30ppm/C  
>  
>Anyone have an idea which is better? (SM's cost more...)  
>  
>73, Steve WB3LGC  
>  
>(maybe this question will give everyone something to think about,  
>other then ARCI....)  
>.-

From owner-qrp-l@netcom.com Wed Mar 8 23:02:00 1995  
Message-Id: <n1417452920.19700@msmailgw1.arlut.utexas.edu>  
Date: 8 Mar 1995 13:31:45 -0600  
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>  
Subject: Split frequency and Scout, QRP+

Jerry,  
the premise of a simple plug in the band radio made the Scout a single PT0,  
(vfo), radio. However, it does have RIT on receive, which I think someone said  
was not on the QRP+, (Plus owners please correct me if needed). However, I have  
the Scout and other radios, so the time I operated split on 40 meter SSB, for  
DX; I used one radio to listen and one to transmit, and switched the antenna,  
like the good old days, when one had separate transmitter and receiver to switch  
to one antenna, and that was with a double pole knife switch! Most other DX I  
hear on other bands is not operating split, so this has not been a major  
problem; but if you are a DX contester who is used to operating split, this may  
be an issue for you.

BTW the group offer deadline is past; but you could call Index Labs and see if  
he would add you on. It is a little while since they collected the group buy;  
so don't expect him to do it, it was not originated by Index labs but the users  
here. So he was NOT making any offer to buyers as advertising or anything.  
Kind of like the week end specials from Walgreen stores, "good until Tu." You  
don't go to the sale on Thurs. 'cause its gone. You can appreciate especially a  
small ham manufacturer has to buy parts in lots, and if he bought 100 cases at a

price break for a group order, he can't go back the next month to his supplier for just one more case at the 100 price break. (Unless he has an ongoing deal with his vendor.)

Index will be pretty busy with this group order for awhile, as he has a medical equipment line as well. The ham gear fills in his production lulls. Maybe, as those on the list already ordered get all theirs, a posting could be made and another volunteer, (You?) collect orders, and see if Index would do another group run of 30 plus like this one. By then, I would bet some who hesitated too late as well as new list members would total some sizeable group. They might do it for 25. Can't hurt to ask. Had I not already had my Scout, I would have jumped in. However, I just have this crazy thing about radios should not be in square boxes! Each to their own! Hope you can find something to suit your needs. It is a neat rig, and certainly value for the original price, if you are interested in QRP only. -Stuart K5KVH

From owner-qrp-l@netcom.com Wed Mar 8 23:01:48 1995  
From: David Adams <dave@flowserver.stem.com>  
Message-Id: <9503082307.AA01084@flowserver.stem.com>  
Date: Wed, 8 Mar 95 14:56:40 -0800  
Subject: SSB FOX has larangitis

Well, I don't really...I have the flu, but my throat is so soar and I hork so much that the result is the same. I will be unable to fox this evening...I thought about having my wife work the mike whilst I twiddled knobs, but decided that this was less a viable solution and more a sign that I should seek counselling...

73 de dave, n9uxu

From owner-qrp-l@netcom.com Thu Mar 9 00:31:16 1995  
From: ab4el@cybernetics.net (Stephen Modena)  
Message-Id: <9503090122.AA01719@cybernetics.net>  
Subject: SSB Fox Hunt Cancelled This Week  
Date: Wed, 8 Mar 1995 20:21:46 -0500 (EST)

SSB QRP Fox Hunters:

There will be no fox hunt this week.

I saw no posting of band(s), times(s) and freq. segment(s).

I heard nothing specific as of 8 pm EST of the proposed hunt night.

The "scheduled" Fox is AWOL...perhaps a personal emergency.

Next week, it is N8VAR...who should to contact me soon with specifics.

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Mar 8 21:08:23 1995

Message-Id: <v01510113ab83ab7cba2a@[149.82.22.63]>

Date: Wed, 8 Mar 1995 13:55:47 -0800

From: xenolith@halcyon.com (Kevin Purcell)

Subject: Re: Thoughts on ARCI...

>Happily, a number of QRP ARCI "key  
>players" are wired, with more working on it. 73 and Queue Our Pea DE  
>WA8MCQ

Perhaps the QRP ARCI should form its own mailing list for both the benefit of members and volunteers. Trnasacting all the bussiness on the list would expose the club to all of its members. A kind of open board meeting.

Doesn't cost much to do these days, and might reinvigorate the group. It's anoither step toward decentralisation and serving the members.

Kevin Purcell, N7WIM // work: kevinpu@atm.com // home: xenolith@halcyon.com

	"The best way to get information on
Join Seattle's dBug Mac Developers SIG	UseNet isn't to ask a question
and meet other Mac programmers!	but to post the wrong information"

From owner-qrp-l@netcom.com Wed Mar 8 18:05:42 1995

Message-Id: <MAILQUEUE-101.950308151517.416@rcadmin.nov.add.bn1.gov>

From: "Nick Franco - KF2PH" <NICKF@rcadmin.nov.add.bn1.gov>

Date: Wed, 8 Mar 1995 15:15:18 EDT

Subject: W1FB Novel Antenna Tuner

cq cq cq help de kf2ph/qrp

I recently built the W1FB Novel Antenna Tuner from his QRP NOTEBOOK. It looked easy enough for someone just breaking into the homebrew area of the hobby like myself.

The tuner is designed for 80 thru 10 meters with a separate switch setting for each band. I simplified it a little for my HW-8, so I only had to wind three torroids 15, 20, & 40 meters. The transformer is the 80 meter inductor and is in line by default. The other band torroids are added in by the switch. I also put a toggle switch in from the TX bnc to switch in a dummy load or the tuner. Everythings seems to work ok and I have made several contacts with the setup (even some dx)..



So what's my problem??? If I adjust the air caps for maximum audio volume, I can hear stations everywhere. These resonant tanks are hot. BUT... the swr is high (using an external SWR/WATT meter). Very close to the LOUD settings - I can bring the SWR just about flat on the meter but I sacrifice about half the audio sensitivity. Am I doing something wrong? Is my theory about high audio = low swr just BS? Has anyone experienced a problem like this before?

I use the HW-8 through my MFJ-941 tuner and doesn't seem to have this problem however the audio is more sensitive (louder) on the homebrew tuner. Helpppp.....

Thanks,  
Nick

-----  
Nick Franco - RHIC Computer/Network Support  
tel:(516)282-5467 fax:(516)282-3674  
kf2ph@bnl.gov or nickf@bnl.gov

From owner-qrp-1@netcom.com Wed Mar 8 23:59:52 1995  
Date: Wed, 8 Mar 1995 16:21:56 -0800  
From: myers@bigboy73.West.Sun.COM (Dana Myers)  
Message-Id: <199503090021.QAA00412@vr1000.West.Sun.COM>  
Subject: Re: W1FB Novel Antenna Tuner

> From owner-qrp-1@netcom.com Wed Mar 8 14:54 PST 1995  
> From: "Nick Franco - KF2PH" <NICKF@rcadmin.nov.add.bnl.gov>  
> To: qrp-1@netcom.com  
> Date: Wed, 8 Mar 1995 15:15:18 EDT  
> Subject: W1FB Novel Antenna Tuner  
>  
> cq cq cq help de kf2ph/qrp  
>  
> I recently built the W1FB Novel Antenna Tuner from his QRP NOTEBOOK.  
> It looked easy enough for someone just breaking into the homebrew  
> area of the hobby like myself.  
>  
> The tuner is designed for 80 thru 10 meters with a separate switch  
> setting for each band. I simplified it a little for my HW-8, so I  
> only had to wind three torroids 15, 20, & 40 meters. The transformer  
> is the 80 meter inductor and is in line by default. The other band  
> torroids are added in by the switch. I also put a toggle switch in  
> from the TX bnc to switch in a dummy load or the tuner. Everything  
> seems to work ok and I have made several contacts with the setup  
> (even some dx)..  
>

> So what's my problem??? If I adjust the air caps for maximum  
> audio volume, I can hear stations everywhere. These resonant tanks  
> are hot. BUT... the swr is high (using an external SWR/WATT meter).  
> Very close to the LOUD settings - I can bring the SWR just about flat  
> on the meter but I sacrifice about half the audio sensitivity. Am I  
> doing something wrong? Is my theory about high audio = low swr just  
> BS? Has anyone experienced a problem like this before?

I'll bite. I'd speculate that your receiver front end doesn't  
present a 50 ohm, non-reactive impedance. So, when you adjust  
the tuner for best volume, the impedance of the antenna has been  
transformed into the conjugate of the front end impedance. When  
you transmit, the impedance seen looking into the tuner from  
the transmitter is this non-50 ohm impedance. You can guess  
what the magnitude of the front end impedance is from the transmit  
SWR ;-)

Any comments?

Dana

Dana.Myers@West.Sun.Com

From owner-qrp-l@netcom.com Wed Mar 8 21:35:10 1995

From: ab4el@cybernetics.net (Stephen Modena)

Message-Id: <9503090111.AA00788@cybernetics.net>

Subject: WED 8 Mar Fox Hunt is D.O.A.

Date: Wed, 8 Mar 1995 20:11:38 -0500 (EST)

Forwarded message:

>From modena@sunsite.oit.unc.edu Wed Mar 8 19:37:47 1995

Date: Wed, 8 Mar 1995 19:31:12 -0500

>From: Stephen Modena <modena@sunsite.unc.edu>

Message-Id: <9503090031.AA03384@sunsite.oit.unc.edu>

Subject: Reserve WED for SSB QRP Fox Hunt

Content-Type: text

Apparently-To: ab4el@cybernetics.net

>From owner-qrp-l@netcom.com Mon Mar 6 00:18:27 1995

>From: ab4el@cybernetics.net (Stephen Modena)

Message-Id: <9503060129.AA13558@cybernetics.net>

Subject: Reserve WED for SSB QRP Fox Hunt

Date: Sun, 5 Mar 1995 20:26:01 -0500 (EST)

The next SSB QRP Fox had this to say:

> Okay...I will do it Wednesday evening 7-9 pm PST (I'm a /6 you  
> know)...so that would be march 9 3-5UTC? I'll run it in the general  
> and advanced portions of the phone band, alternating by the half  
> hour...I'll give you exact freqs next week...

>

> 73 de dave, n9uxu/6

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W